Title (en)

GRIPPER ASSEMBLY FOR INSERTING THE WEFT YARN IN WEAVING LOOMS WITHOUT SHUTTLE

Title (de)

GREIFERANORDNUNG ZUM EINFÜHREN DES SCHUSSFADENS IN WEBMASCHINEN OHNE SCHIFFCHEN

Title (fr)

ENSEMBLE DE PINCES POUR INSÉRER LE FIL DE TRAME DANS DES MÉTIERS À TISSER SANS NAVETTE

Publication

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Application

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Abstract (en)

[origin: WO2019082222A1] A gripper assembly for inserting the weft yarn into looms without a shuttle, comprising a bringer gripper and a traction gripper. The bringer gripper comprises a main body (1) with a shaped end adapted to be fixed to a control element, a weft guide profile (2), a rocker arm (3) hinged on a rotation pin (4), a reaction spring (6) and a gripper pin (5) of the rocker lever (3), which is rotating about a vertical axis of the main body (1) of the gripper; the reaction spring (6) keeps the gripper pin (5) on one side and closes it at an opposite side to an inclined plane, so as to obtain an self-tightening condition. The traction gripper, which switches the yarn (7) in the center of the fabric with the bringer gripper, comprises a main body (10) with a shaped end, a central part, which includes a drive lever (12) for the opening or closing of a zone of gripping of the yarn (7), a longitudinally sliding rod (11), which has a slider (14) slidable in a hook-shaped portion 15), and an elastic blade (18) fixed to the slider (14), which opens simultaneously with the slider for releasing the yarn (7).

IPC 8 full level

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